AMENDMENTS TO THE CLAIMS:

1. (currently amended) An air cleaner, comprising:

a cylindrical body ~~110~~ fixed to a bottom circular disc ~~111~~ wherein an entire appearance of the same is formed of a grill part ~~112~~;

a filter unit ~~120~~ including a non-woven fabric filter ~~122~~ provided in an inner side of the grill part of the cylindrical body, and a cylindrical filer cartridge ~~121~~ having a cylindrical wrinkle filter ~~121a~~ in an inner side;

an air inlet guide ~~130~~ installed in the interior of the filter unit and having an air inlet part ~~131~~ in a lower side wherein an upper side of the same is wide, and a lower side of the same is narrow like a reverse conical shape;

an air supply unit assembly ~~140~~ including a support circular disc ~~141~~ having an air hole ~~141a~~ and a protrusion part ~~141b~~ at a center for covering the upper sides of the cylindrical body, the filter unit and the air inlet guide, a motor ~~142~~ fixed to the protrusion part of the support circular disc, a fan ~~143~~ fixed to a rotary axis ~~142a~~ of the motor, and a fan housing ~~144~~ having an air discharge hole ~~144a~~ formed along a rim of an upper side surface, while surrounding the fan ~~143~~;

a top housing ~~150~~ assembled to an upper side surface of the air supply unit assembly and having a controller ~~153~~ with an operation knob ~~152~~ in an upper side surface, and a handle ~~154~~ wherein a rotation discharge guide part ~~151~~ corresponding to the air discharge hole ~~144a~~ is formed along the rim; and

an electronic circuit substrate ~~200~~ provided between an upper side of the air supply unit assembly and a lower surface of the top housing.

2. (currently amended) The cleaner of claim 1, wherein said air supply unit assembly ~~140~~ includes a plurality of electric heaters ~~160~~ in an inner side of the air discharge hole ~~144a~~.

3. (currently amended) The cleaner of claim 1, wherein said air supply unit assembly ~~140~~ includes a sensor cover part ~~145~~ extended in a lower direction of one side wherein a dust density detection sensor ~~170~~ is provided in the interior of the sensor cover part.

4. (currently amended) The cleaner of claim 1, wherein in said air supply unit assembly ~~140~~, a sensor hole ~~144b~~ is formed in one side of the fan housing ~~144~~, and a gas density detection sensor ~~180~~ and a temperature detection sensor ~~190~~ are provided in the inner side of the fan housing.

5. (currently amended) The cleaner of claim 1, wherein said air supply unit assembly ~~140~~ includes an air guide member ~~146~~ capable of guiding the air flowing from the air hole ~~141a~~ to the air discharge hole ~~144a~~ in the upper direction, not the bottom.

6. (currently amended) The cleaner of claim 1, wherein said air supply unit assembly ~~140~~ includes a ultraviolet ray sterilizer ~~220~~ having a pair of ultraviolet ~~rat~~ ray lamps ~~221~~ on the bottom of the support circular disc ~~141~~.

7. (currently amended) The cleaner of claim 1, wherein said air inlet part ~~131~~ of the air inlet guide ~~130~~ comprises a radial wing part ~~132~~ for guiding the flow of air to turbulence flow.

8. (currently amended) The cleaner of claim 1, wherein said filter cartridge ~~121~~ of the filter unit comprises a wrinkle filter ~~121a~~, and a carbon filter ~~121b~~ being adherent to the inner surface of the wrinkle filter ~~121a~~.

9. (currently amended) The cleaner of claim 1, wherein said filter cartridge ~~121~~ of the filter unit ~~120~~ includes a wrinkle filter ~~121a~~, a carbon filter ~~121b~~ being adherent to the inner surface of the wrinkle filter ~~121a~~, and a nano silver filter ~~121c~~ being adherent to the inner surface of the carbon filter ~~121b~~.

10. (currently amended) The cleaner of claim 1, wherein said top housing ~~150~~ includes an ion generator ~~210~~ therein, wherein a discharge hose ~~211~~ connected ~~with~~ to the ion generator is exposed from one side of the controller ~~153~~ to the outside.